## STIC Biotechnology Systems Branch

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

i) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,

2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 4.2.2 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
- 3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05): U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street. Alexandria, VA 22314

Revised 01/24/05

## Raw Sequence Listing Error Summary

	10/5)2.062
ERROR DETECTED	SUGGESTED CORRECTION SERIAL NUMBER: 70/023/
	PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE
Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5Variable Length	Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6PatentIn 2.0 "bug"	A "bug" in Patentln version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) Normally, Patentln would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7Skipped Sequences (OLD RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:  (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  This sequence is intentionally skipped
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8Skipped Sequences (NEW RULES)	Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing.  Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
Use of <220>	Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12Patentin 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13 Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid
<del>-</del>	0.000 D

AMC - Biotechnology Systems Branch - 09/09/2003

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PCT

RAW SEQUENCE LISTING DATE: 02/22/2005
PATENT APPLICATION: US/10/523,062 TIME: 08:21:00

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

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3 <110> APPLICANT: Epigenomics AG
      5 <120> TITLE OF INVENTION: Method for amplification of nucleic acids of low complexity
      7 <130> FILE REFERENCE: E01/1386/WO
                                                 Does Not Comply Corrected Diskette Needer

Hourt eplanation

Artificial Sequera, Please quie
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/523,062
C--> 9 <141> CURRENT FILING DATE: 2005-02-02
      9 <160> NUMBER OF SEQ ID NOS: 160
     11 <210> SEO ID NO: 1
     12 <211> LENGTH: 322
     13 <212> TYPE: DNA
     14 <213> ORGANISM: Artificial Sequence
     16 <220> FEATURE:
                                                                                      Je so.

Jestie

material

(see item!)

on Error

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bleet)
     17 <223> OTHER INFORMATION:
     19 <400> SEQUENCE: 1
     21 aatoctocaa attotaaaaa cataaaaata acgcaaccca aaaacaaaaa acccotcogo
     22 ccattaatta ctatacacta acgaaacttt cccgacccac aacgacgaaa ataaaaacaa
                                                                                   120
     23 tegetaaege taaaaaaeat caaaaaeaet aeceaaeeea aatategeeg eegetteeae
                                                                                   180
     24 aaaactctac taaacgccgc cgccgccgct accaccgcct ctaatccaaa ccacctcccg
                                                                                   240
     25 ccaaataaac cccgaaatcc taactcaaat atatatctet ccctccctct ccctccattc
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                                                                                   120
     40 taacgtcgaa tttagtcgcg tagcgttgta gtgaattttt tttttaaatt gtaataagtc
                                                                                   180
     41 gttttttaag gtaattacgt tttttttgtt tttttttaa aaaataaaaa taaaaaattt
                                                                                   240
     42 atagaaaaaa attcgcgagt ttagaaaaaa gaagtaattg qtagaaggtt ttaattaagg
                                                                                   300
     43 taaagagttg taaggcgaag ttaagaaaat gtaggtattt aaaaaatgta ggtaattttt
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                                                                                   413
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     48 <212> TYPE: DNA
     49 <213> ORGANISM: Artificial Sequence
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     54 <400> SEQUENCE: 3
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     57 acaaaaaaac ccaatctaat aaaatacgct cccttcctac cattctctat tccattaacc
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     58 tatttcgtaa taaacgtaaa actaatcctc caaaattacc ttattaatta acttacatat
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PATENT APPLICATION: US/10/523,062

DATE: 02/22/2005 TIME: 08:21:00

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

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60 tattttattc tatataattt tcccatacca aacaccgtac ccgacacaaa ctaaaatccc	300
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75 aggtcgcgtt ttttttgtgg tggtttttag ggattcgttt tagttttttt ttcgttttta	180
76 gttttatata ttgggattat taggtattta agattttatt ttttaggtgg tatttttagc	240
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100 ggagggttta gttagegggt ttteggaggt tggtegggta ggegtggtge geggtaggag 109 ttgggegegt aeggttateg egegtggagg agatattgtt ttgtegegat gggggttegg	360
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THE CLOSE CHECKED !	



RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/523,062

DATE: 02/22/2005 TIME: 08:21:00

Input Set : A:\1386-Seq-WO.txt
Output Set: N:\CRF4\02222005\J523062.raw

125 126 127 128 129 130 132 133	ggaggggaga gggttatgcg a gggagttttg ttcgggtttt t gtgaggttta tatgtggttc g tgttaggggt tgcggcgacg c gatgagtttt gatttttagt a tgttttattt tagttttttt g gggtgtgtat agt <210> SEQ ID NO: 8 <211> LENGTH: 368 <212> TYPE: DNA	tggtcgtag ggcggtttag cggttagtta attttttta	ggttgttggg ggcggtttgt gtagcgagtt agttaagaag	ttttaggtag agcgttttta taggtcgcgt agtttagcgt	gaacgagagg ttgtttcggt agattttatt atttttcggt	60 120 180 240 300 360 373
135	<213> ORGANISM: Artific	cial Sequer	ice			
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143	tggaatttag cgagggattg a	agagttttat	agtatgtacg	agtttgatgt	tagagaaaaa	120
	gtcgggagat aaaggagtcg c					180
	gtcggatttg tgagtatttt g					240
	gagaattttt cgagttagga g					300
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PATENT APPLICATION: US/10/523,062

DATE: 02/22/2005 TIME: 08:21:00

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

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	aaatgggatg ttattttcgc			-	-	180
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226 227	ttagtttaga attggttttc tggcggaaat ttgtgcgttt	ggaagcgttc ggggcggtgg	gggtaaagat aattcgggga	tgcgaagaag ggagagggag	aaaagatatt ggattagata	120 180
226 227 228	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattattttt	ggaagcgttc ggggcggtgg tttgtttta	gggtaaagat aattcgggga aattggggta	tgcgaagaag ggagagggag gttttttggg	aaaagatatt ggattagata ttttcgattt	120 180 240
226 227 228 229	ttagtttaga attggttttc tggcggaaat ttgtgcgttt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt	gggtaaagat aattcgggga aattggggta ttatcgggtt	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180
226 227 228 229 230 231	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttattttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg tttttagttt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt	gggtaaagat aattcgggga aattggggta ttatcgggtt	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300
226 227 228 229 230 231 233	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattattttt ttttattttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg tttttagttt <210> SEQ ID NO: 14	ggaagcgttc ggggcggtgg tttgtttta aattttgttt	gggtaaagat aattcgggga aattggggta ttatcgggtt	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttattttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg tttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397	ggaagcgttc ggggcggtgg tttgtttta aattttgttt	gggtaaagat aattcgggga aattggggta ttatcgggtt	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234 235	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattattttt ttttatttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg tttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA	ggaagcgttc ggggcggtgg tttgttttta aattttgttt gggggtacga	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234 235 236	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggagga aaaattgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif:	ggaagcgttc ggggcggtgg tttgttttta aattttgttt gggggtacga	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234 235 236 238	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaattgtg atggtttgg ttttagtt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE:	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234 235 236 238 239	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttattttc gtgggtaaaa agaggaggga aaaatttgtg atgggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATION	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa	tgcgaagaag ggagagggag gttttttggg tacgtaattt	aaaagatatt ggattagata ttttcgattt ttttaagggg	120 180 240 300 360
226 227 228 229 230 231 233 234 235 236 238 239 241	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaattgtg atggtttgg ttttagtt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE:	ggaagcgttc ggggcggtgg tttgttttta aattttgttt gggggtacga icial Sequen	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa	tgcgaagaag ggagagggag gttttttggg tacgtaattt agaaatagtt	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat	120 180 240 300 360
226 227 228 229 230 231 233 234 235 236 238 241 243 244	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttattttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATIC <400> SEQUENCE: 14 tggggttagt ttaggatagg aggagagtta gcgagggttc	ggaagcgttc ggggcggtgg tttgttttta aattttgttt gggggtacga icial Sequer CN: 2391 cgttcggggg gaggggtagg	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa nce acgcgtgttt tattttaacg	tgcgaagaag ggagaggag gtttttggg tacgtaattt agaaatagtt ttatttacg aatggtttt	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat  gggacggtgg ttggtgtttt	120 180 240 300 360 380
226 227 228 229 230 231 233 234 235 236 238 241 243 244 245	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaatttgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATIC <400> SEQUENCE: 14 tggggttagt ttaggatagg aggagagtta gcgagggttc ttgcgtttcg tcggtttatt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga icial Sequen CN: 2391 cgttcgggg gaggggtagg tttttttta	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa nce acgcgtgtt tatttaacg taaaacgggt	tgcgaagaag ggagaggag gtttttggg tacgtaattt agaaatagtt ttatttacg aatggtttt ttagtttta	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat  gggacggtgg ttggtgtttt gtattatt	120 180 240 300 360 380
226 227 228 239 231 233 234 235 236 238 241 243 244 245 246	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaattgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATIC <400> SEQUENCE: 14 tggggttagt ttaggatagg aggagagtta gcgagggttc ttgcgtttcg tcggtttatt ttcgttatta attaggtatt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga icial Sequen CN: 2391 cgttcggggg gaggggtagg tttttttta tcgggagatt	gggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa  nce acgcgtgttt tatttaacg taaaacgggt agttcgttcg	tgcgaagaag ggagaggag gtttttggg tacgtaatt agaaatagtt ttatttacg aatggtttt ttagtttta aaagttttg	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat  gggacggtgg ttggtgttt gtatttatt cgttattcg	120 180 240 300 360 380 60 120 180 240
226 227 228 230 231 233 234 235 236 238 241 243 244 245 246 247	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaattgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATIC <400> SEQUENCE: 14 tggggttagt ttaggatagg aggagagtta gcgagggttc ttgcgtttcg tcggtttatt ttcgttatta attaggtatt cgggttttt taggtggttt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga icial Sequer ON: 2391 cgttcggggg gaggggtagg tttttttta tcgggagatt ttttagtttc	aggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa  ace acgcgtgttt tatttaacg taaaacgggt agttcgttcg gtttttttc	tgcgaagaag ggagaggag gtttttggg tacgtaatt agaaatagtt ttatttacg aatggtttt ttagtttta aaagttttg gggatgtttg	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat  gggacggtgg ttggtgttt gtatttattt cgttattcg ttgattatt	120 180 240 300 360 380 60 120 180 240 300
226 227 228 230 231 233 234 235 236 238 241 243 244 245 246 247 248	ttagtttaga attggttttc tggcggaaat ttgtgcgttt ggagagtggg gattatttt ttttatttc gtgggtaaaa agaggaggga aaaattgtg atggtttgg ttttagttt <210> SEQ ID NO: 14 <211> LENGTH: 397 <212> TYPE: DNA <213> ORGANISM: Artif: <220> FEATURE: <223> OTHER INFORMATIC <400> SEQUENCE: 14 tggggttagt ttaggatagg aggagagtta gcgagggttc ttgcgtttcg tcggtttatt ttcgttatta attaggtatt	ggaagcgttc ggggcggtgg tttgtttta aattttgttt gggggtacga icial Sequer ON: 2391 cgttcggggg gaggggtagg tttttttta tcgggagatt ttttagtttc gtacgagcgt	aggtaaagat aattcgggga aattggggta ttatcgggtt aaaggcggaa  acgcgtgttt tatttaacg taaaacgggt agttcgttcg gttttttc cgagttcgtg	tgcgaagaag ggagaggag gtttttggg tacgtaatt agaaatagtt ttatttacg aatggtttt ttagtttta aaagttttg gggatgtttg	aaaagatatt ggattagata ttttcgattt ttttaagggg atttcgttat  gggacggtgg ttggtgttt gtatttattt cgttattcg ttgattatt	120 180 240 300 360 380 60 120 180 240



DATE: 02/22/2005 TIME: 08:21:00

PATENT APPLICATION: US/10/523,062

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

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251 <210> SEQ ID NO: 15
252 <211> LENGTH: 547
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION:(
259 <400> SEQUENCE: 15
261 tttttgtatt ggggtaggtt tcggtaggtg tatgggagga agtacggaga atttataagt
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262 ttttcgattt tttagtttag acgttgttgg gtttttttcg ttggagatcg cgttttttt
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263 aaatttttgt gagcgttgcg gaagtacgcg gggttcgggt cgttgagcgt tgtaagatag
                                                                             180
264 gggagggagt cgggcgggag agggaggggc ggcgtcgggg cgggttttga tatagagtag
                                                                             240
265 ģcgtcgcggg tcgtagtata gtcggagatc gtagttcgga gttcgggtta gggtttattt
                                                                             300
266 gttttcgtag cgtcggttcg cgtttttttg tcgtagttat cggtgagtgt cgcggttttg
                                                                             360
267 agattttegg gteggatgeg eggeggtttt agttttegag egtttgtttg tttegttttg
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268 ggttgttcgg gttttttggg tttttcggcg gttgtacgga gttaaggcgt ttcgtttcgg
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                                                                             540
269 gcgtttttcg cgggtgtcga tttaggttgt tcggagttcg gagtttatag aggagagaga
270 tagttgg
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273 <211> LENGTH: 414
274 <212> TYPE: DNA
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277 <220> FEATURE:
278 <223> OTHER INFORMATION:
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280 <400> SEQUENCE: 16
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283 ttttgagtat aataaatttg aattgtgtta atgttgggag aaaaaattta aaagaagaac
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284 ggagcgaata gtagtttttt cgttcgttga ttagaaatag taggacgata ttttttcgat
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285 tggaggagag cgtttgcgtt cgtatttagt tggcgttcgt ttttttgttt ttttttagt
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286 cgtttttttt ttttttttc gcgttttagt tattcgggaa ggtattgcgg tagttgggtt
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287 ttgattggtt gttttgaaag tttacgggtt attcgattgg tgaattcggg gttttttagc
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288 gcggtgagtt tgaaattgtt cgtatttggt tttaaagttg gtttttggaa attg
290 <210> SEQ ID NO: 17
291 <211> LENGTH: 272
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION:
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298 <400> SEQUENCE: 17
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301 gtataagttt tttagtaggg tgatgatata aaaagttatc ggagtatttt ataaggtata
                                                                             120
302 aatttttaga gatagtagag tatataagtt tttaggataa gagttaggaa gaaattatcg
                                                                             180
303 gaaggaatta ttttattgtg tgtaaatatg atttttaagt tggtcgtggt ttttttggta
                                                                             240
304 gtttttttga tttttgtagt tttgtgtgaa gg
                                                                             272
306 <210> SEQ ID NO: 18
                                              रोड़े हराहर भी दसवार वावरणा दक्षा throughout
307 <211> LENGTH: 391
                                             ीन हैनेत्राहरू Listing. Flease check subsequent
308 <212> TYPE: DNA
                                             FENNENESS FOR similar errors.
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION
                             2484
```

The types of efforts shown exist throughout the Seguence Listing. Please check subsequent seguences for similar efforts.

The IVBES of Effors shown exist throughout like Saluenes Listing. Please check subsequent salueness for similar errors.

TMPORTANT
The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

RAW SECOENCE LISTING ERROR SUMMARY PATENT APPLICATION: US/10/523,062

DATE: 02/22/2005 TIME: 08:21:01

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

## Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:53; N Pos. 1371

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/523,062

DATE: 02/22/2005

TIME: 08:21:01

Input Set : A:\1386-Seq-WO.txt

Output Set: N:\CRF4\02222005\J523062.raw

L:9 M:270 C: Current Application Number differs, Replaced Current Application No

L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:1294 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:53 after pos.:1320